



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/ZA00/00019 <b>(22) International Filing Date:</b> 8 February 2000 (08.02.00) <b>(30) Priority Data:</b> 99/0969 8 February 1999 (08.02.99) ZA <b>(71) Applicant (for all designated States except US):</b> SAPPI LIMITED [ZA/ZA]; 6th Floor, Sappi House, 48 Ameshof Street, Braamfontein, 2017 Johannesburg (ZA). <b>(72) Inventor; and</b> <b>(75) Inventor/Applicant (for US only):</b> MABOKA, Sydney [ZA/ZA]; 20 Cathedral Street, 6529 George (ZA). <b>(74) Agent:</b> D.M. KISCH INC.; P.O. Box 781218, 2146 Sandton (ZA).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> TIMBER PROCESS AND PRODUCT		
<b>(57) Abstract</b> <p>This invention provides a binding mixture for use in manufacturing chipboard, the mixture including an effective amount of methyl di-isocyanate ("MDI") and one or more polyurethane catalyst(s) being selected from the following: (a) one or more amine compound(s) including aliphatic and aromatic tertiary amine derivatives of phenols, esters, ethers, alkenes and/or alcohols; or (b) one or more organometallic compounds of tin, bismuth, zinc, iron, and/or alkali metal salt(s); or (c) suitable mixtures of (a) and (b) above.</p>		